UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Laboratory

Environmental Services Branch
10625 Fallstone Road, Houston, TX 77099
Phone: (281)983-2100 Fax: (281)983-2248

Final Analytical Report

Site Name ----------Oil Trust Fund

Sample Collection Date(s)-- 08/05/10

Contact---------- Rich Mayer (6PD-F)

Report Date---------- 08/10/10

Project #---------- 10REG225

Work Order(s)----------1008017

Analyses included in this report:

LC DOSS

Report Narrative

Sample 1008017-04 (vial A) showed a DOSS value of 20.4 ug/L (ppb). For confirmation purposes, sample 1008017-04RE1 (vial B) was extracted. DOSS was undetected above the reporting level in vial B. The laboratory is unable to confirm the presence of DOSS in the sample. Due to possible lab error during the extraction process of vial A, the results of vial B are being reported as estimated.

Standard procedures for quality assurance and quality control were followed in the analysis and reporting of the sample results. The results apply only to the samples tested. This final report should only be reproduced in full.

Reporting limits are adjusted for sample size and matrix interference.

Report Approvals:

Richard McMillin
Region 6 Laboratory Manager

David Neleigh
Region 6 Laboratory Branch Chief

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Environmental Services Branch Laboratory

10625 Fallstone Road
Houston, Texas 77099

Sample Receipt and Disposal

Site Name: Oil Trust Fund Project Number: 10REG225

Data Management Coordinator: Christy Warren

_____ / /

Data Management Coordinator Signature Date

Date Transmitted: _____/_____/_____

Please have the U.S. EPA Project Manager/Officer call the Data Management Coordinator at 3-2137 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Christy Warren
Data Management Coordinator
Region 6 Laboratory
6MD-HS

_____/_____/_____

Received by and Date

Comments:

The laboratory routinely disposes of samples 90 days after all analyses have been completed. If you have a need to hold these samples in custody longer than 90 days, please sign below.

_____ _____

Signature Date

Please provide a reason for holding:

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
T007-2331-100805-SW-05-1	1008017-01	Liquid	8/5/10 10:50	08/06/10 09:20
T007-2333-100805-SW-03-1	1008017-02	Liquid	8/5/10 13:35	08/06/10 09:20
T007-2337-100805-SW-04-1	1008017-03	Liquid	8/5/10 12:40	08/06/10 09:20
T001-1405-100805-SW-02-1	1008017-04	Liquid	8/5/10 11:30	08/06/10 09:20
T001-2002-100805-SW-1	1008017-05	Liquid	8/5/10 9:50	08/06/10 09:20
T005-0010-100805-SW-1	1008017-06	Liquid	8/5/10 12:28	08/06/10 09:20
T005-2339-100805-SW-1	1008017-07	Liquid	8/5/10 11:15	08/06/10 09:20

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008017-01 **Station ID: T007-2331-100805-SW-05-1**

Batch: B0H0605 Date Collected: 08/05/10
Sample Type: Liquid Sample Volume: 22 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	188		104	50-150	08/06/10	08/06/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/06/10	08/06/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008017-02 **Station ID: T007-2333-100805-SW-03-1**

Batch: B0H0605 Date Collected: 08/05/10
Sample Type: Liquid Sample Volume: 23 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	170		97.5	50-150	08/06/10	08/06/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/06/10	08/06/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008017-03 **Station ID: T007-2337-100805-SW-04-1**

Batch: B0H0605 Date Collected: 08/05/10
Sample Type: Liquid Sample Volume: 23 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	159		91.7	50-150	08/06/10	08/06/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/06/10	08/06/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008017-04RE1 **Station ID: T001-1405-100805-SW-02-1**

Batch: B0H0901 Date Collected: 08/05/10
Sample Type: Liquid Sample Volume: 23 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	177		102	50-150	08/09/10	08/09/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U	J	20.0	1	08/09/10	08/09/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008017-05 **Station ID: T001-2002-100805-SW-1**

Batch: B0H0605 Date Collected: 08/05/10
Sample Type: Liquid Sample Volume: 24 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	174		104	50-150	08/06/10	08/06/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		19.6	1	08/06/10	08/06/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008017-06 **Station ID: T005-0010-100805-SW-1**

Batch: B0H0605 Date Collected: 08/05/10
Sample Type: Liquid Sample Volume: 23 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	192		111	50-150	08/06/10	08/06/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/06/10	08/06/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008017-07 **Station ID: T005-2339-100805-SW-1**

Batch: B0H0605 Date Collected: 08/05/10
Sample Type: Liquid Sample Volume: 24 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	192		115	50-150	08/06/10	08/06/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		19.6	1	08/06/10	08/06/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS - Quality Control

Batch: B0H0605 **Sample Type: Liquid**

Blank (B0H0605-BLK1)

Prepared: 8/6/2010 Analyzed: 8/6/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	200		200	100	50-150

Blank (B0H0605-BLK1)

Prepared: 8/6/2010 Analyzed: 8/6/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	RPD	RPD Limit
Dioctyl sulfosuccinate, sodium salt	U		20.0			

LCS (B0H0605-BS1)

Prepared: 8/6/2010 Analyzed: 8/6/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	209		200	105	50-150

LCS (B0H0605-BS1)

Prepared: 8/6/2010 Analyzed: 8/6/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Dioctyl sulfosuccinate, sodium salt	95.2		20.0	87.5	109	50-150		

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS - Quality Control

Batch: B0H0605 **Sample Type: Liquid**

Matrix Spike (B0H0605-MS1)

Source: 1008017-01 Prepared: 8/6/2010 Analyzed: 8/6/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	189		182	104	50-150

Matrix Spike (B0H0605-MS1)

Source: 1008017-01 Prepared: 8/6/2010 Analyzed: 8/6/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Dioctyl sulfosuccinate, sodium salt	82.5		20.0	79.5		104	50-150		

Matrix Spike Dup (B0H0605-MSD1)

Source: 1008017-01 Prepared: 8/6/2010 Analyzed: 8/6/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	194		182	107	50-150

Matrix Spike Dup (B0H0605-MSD1)

Source: 1008017-01 Prepared: 8/6/2010 Analyzed: 8/6/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Dioctyl sulfosuccinate, sodium salt	89.6		20.0	79.5		113	50-150	8.32	30

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS - Quality Control

Batch: B0H0901 **Sample Type: Liquid**

Blank (B0H0901-BLK1)

Prepared: 8/9/2010 Analyzed: 8/9/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	198		200	99.2	50-150

Blank (B0H0901-BLK1)

Prepared: 8/9/2010 Analyzed: 8/9/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	RPD	RPD Limit
Dioctyl sulfosuccinate, sodium salt	U		20.0			

LCS (B0H0901-BS1)

Prepared: 8/9/2010 Analyzed: 8/9/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	204		200	102	50-150

LCS (B0H0901-BS1)

Prepared: 8/9/2010 Analyzed: 8/9/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Dioctyl sulfosuccinate, sodium salt	91.3		20.0	87.5	104	50-150		

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Page 1 of 1

CHAIN OF CUSTODY RECORD

R06_Deepwater_Grand_Isle

No: T0033-100403-20100805-004

AirbillNo: 7601953 15000045

Lab: U.S. EPA Region 6 Laboratory

Lab Phone: 281-983-2137

Contact: Kristie Warr

Phone: 713.985.6636

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	T007-2331-100805-SW-05-1	DOSS	Surface Water	Grab	8/5/2010	10:50	6	40 ml VOA	4 C	Y
	T007-2333-100805-SW-03-1	DOSS	Surface Water	Grab	8/5/2010	13:35	2	40 ml VOA	4 C	N
	T007-2337-100805-SW-04-1	DOSS	Surface Water	Grab	8/5/2010	12:40	4	40 ml VOA	4 C	N

Special Instructions: Return Airbill # 7601953 15000045

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time
ALL	[illegible]	8/5/10	[illegible]	8/5/10	11:25
	[illegible]	8/5/10	[illegible]	8/6/10	2:30
	[illegible]	8/6/10	[illegible]	8/6/10	9:15
	[illegible]	8/6/10	[illegible]	8/6/10	8:58

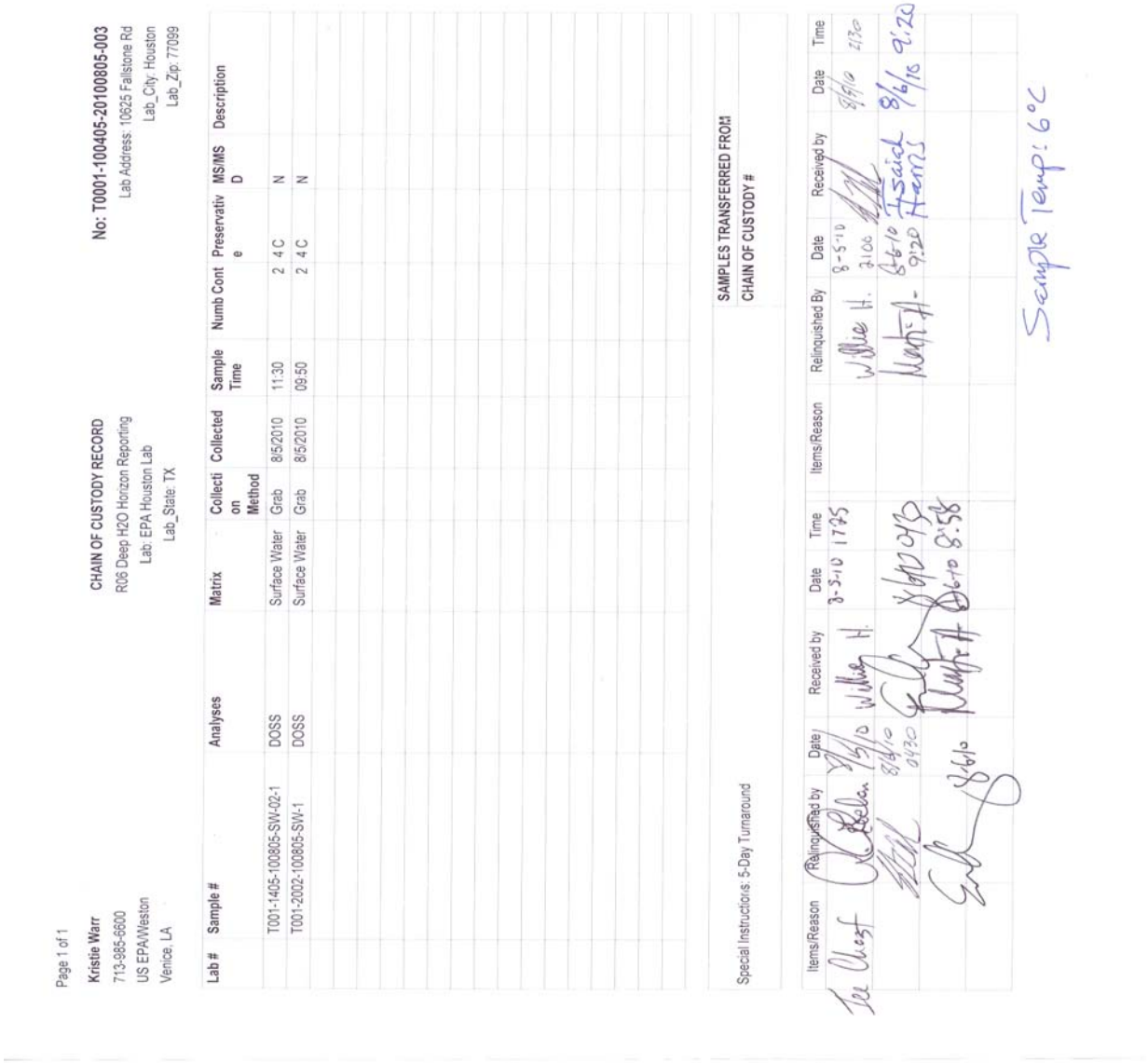
Items/Reason	Relinquished By	Date	Received by	Date	Time
	[illegible]	8/6/10 9:20	Heath Harris	8/6/10	9:20

Sample Temp: 3°C

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248



Page 1 of 1

CHAIN OF CUSTODY RECORD

No: T0001-100405-20100805-003

Kristie Warr
713-985-6600
US EPA/Weston
Venice, LA

R06 Deep H2O Horizon Reporting
Lab: EPA Houston Lab
Lab_State: TX

Lab Address: 10625 Fallstone Rd
Lab_City: Houston
Lab_Zip: 77099

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Preservative	MS/MSD	Description
	T001-1405-100805-SW-02-1	DOSS	Surface Water	Grab	8/5/2010	11:30	2	4 C	N	
	T001-2002-100805-SW-1	DOSS	Surface Water	Grab	8/5/2010	09:50	2	4 C	N	

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Special Instructions: 5-Day Turnaround

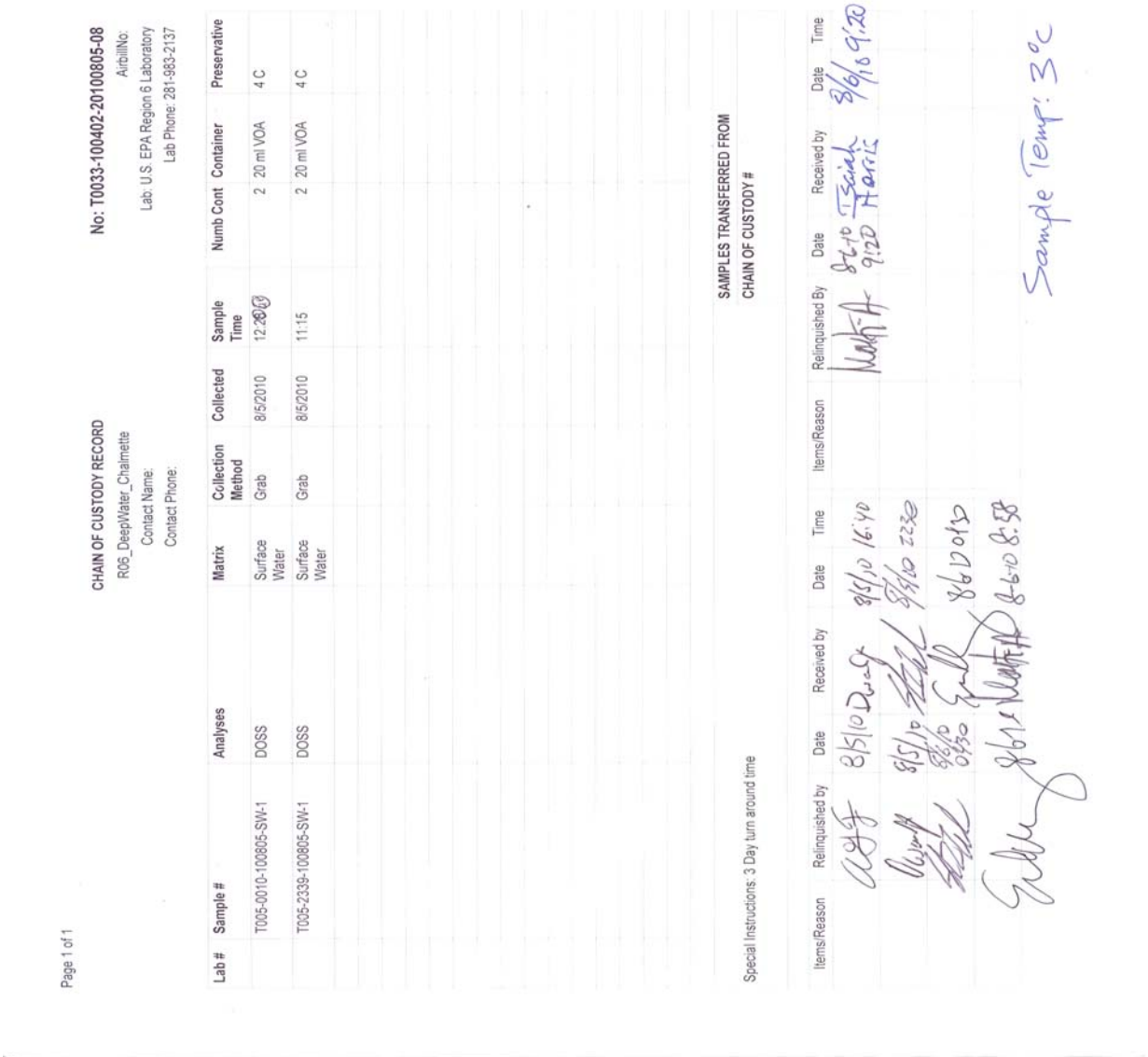
Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Ice Chest		8/5/10 0430		8-5-10	1745		Willie H.	8-5-10 2100		8/6/10	1730
		8/6/10		8/6/10	8:58			8/6/10 0920		8/6/10	9:20

Sample Temp: 6°C

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248



Page 1 of 1

CHAIN OF CUSTODY RECORD

No: T0033-100402-20100805-08

R06_DeepWater_Chalmette

AirbillNo:

Contact Name:

Lab: U.S. EPA Region 6 Laboratory

Contact Phone:

Lab Phone: 281-983-2137

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Container	Preservative
	T005-0010-100805-SW-1	DOSS	Surface Water	Grab	8/5/2010	12:20	2	20 ml VOA	4 C
	T005-2339-100805-SW-1	DOSS	Surface Water	Grab	8/5/2010	11:15	2	20 ml VOA	4 C

Special Instructions: 3 Day turn around time

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
		8/5/10	Dusty	8/5/10	16:40						
		8/5/10		8/6/10	2230						
		8/6/10 0930		8/6/10	0930			8/6/10 9:20	Frank Harris	8/6/10	9:20
		8/6/10		8/6/10	8:58						

Sample Temp: 3°C

Environmental Protection Agency
Region 6 Laboratory
10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Notes and Definitions

J	The identification of the analyte is acceptable; the reported value is an estimate.
A	This sample was extracted at a single acid pH.
HTS	Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.
AES	Atomic Emission Spectrometer
CVAA	Cold Vapor Atomic Absorption
ECD	Electron Capture Detector
GC	Gas Chromatograph
GFAA	Graphite Furnace Atomic Absorption
ICP	Inductively Coupled Plasma
MS	Mass Spectrometer
NA	Not Applicable
NPD	Nitrogen Phosphorous Detector
NR	Not Reported
TCLP	Toxicity Characteristic Leaching Procedure
U	Undetected
#	Out of QC limits

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds *per* square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.